



**THE DATASHEET OF
DEHR33D222KA3B**



Part Numbering

Lead Type Disc Ceramic Capacitors (2kV-6.3kV)

(Part Number)

| | | | | | | | | |
|----|---|----|----|-----|---|----|---|---|
| DE | B | B3 | 3D | 102 | K | N2 | A | |
| ① | ② | ③ | ④ | ⑤ | ⑥ | ⑦ | ⑧ | ⑨ |

① Product ID ② Series Category

| Product ID | Code | Outline | Contents |
|------------|------|--------------|---|
| DE | A | High Voltage | Class 1 (Char. SL) DC2k-3.15kV Rated |
| | B | | Class 2 DC2k-3.15kV Rated |
| | C | | Class 1, 2 DC6.3kV Rated |
| | F | | LCD Backlight Inverter Circuit 6.3kVp-p |
| | H | | High Temperature Guaranteed, Low-dissipation Factor (Char. R) DC2k-3.15kV Rated |

The first three digits (① Product ID and ② Series Category) express "Series Name."

③ Temperature Characteristics

| Code | Temperature Characteristics | Cap. Change or Temp. Coeff. | Temperature Range |
|------|-----------------------------|-----------------------------|-------------------|
| B3 | B | ±10% | -25 to +85°C |
| E3 | E | +20%, -55% | |
| F3 | F | +30%, -80% | |
| R3 | R | ±15% | -25 to +85°C |
| | | +15%, -30% | +85 to +125°C |
| D3 | D | +20%, -30% | -25 to +125°C |
| 1X | SL | +350 to -1000ppm/°C | +20 to +85°C |
| 2C | CH | 0±60ppm/°C | +20 to +85°C |

④ Rated Voltage

| Code | Rated Voltage |
|------|---------------|
| 3D | DC2kV |
| 3F | DC3.15kV |
| 3J | DC6.3kV |
| LH | 6.3kVp-p |

⑤ Capacitance

Expressed by three figures. The unit is pico-farad (pF). The first and second figures are significant digits, and the third figure expresses the number of zeros that follow the two numbers.

⑥ Capacitance Tolerance

| Code | Capacitance Tolerance |
|------|-----------------------|
| C | ±0.25pF |
| D | ±0.5pF |
| J | ±5% |
| K | ±10% |
| Z | +80%, -20% |

⑦ Lead Style

| Code | Lead Style | Dimensions (mm) | | |
|-------|-----------------------|-----------------|---------------|---------------------|
| | | Lead Spacing | Lead Diameter | Pitch of Components |
| A2 | Vertical Crimp Long | 5 | ø0.6±0.05 | - |
| A3 | | 7.5 | | |
| A4 | | 10 | | |
| B2 | Vertical Crimp Short | 5 | ø0.6±0.05 | - |
| B3/J3 | | 7.5 | | |
| B4 | | 10 | | |
| C1 | Straight Long | 5 | ø0.5±0.05 | - |
| C3 | | 7.5 | | |
| C4 | | 10 | | |
| CD | Straight Short | 7.5 | ø0.5±0.05 | - |
| D1 | | 5 | | |
| D3 | | 7.5 | | |
| DD | Vertical Crimp Taping | 7.5 | ø0.5±0.05 | - |
| N2 | | 5 | | |
| N3 | | 7.5 | | |
| N7 | Straight Taping | 7.5 | ø0.6±0.05 | 12.7 |
| P2 | | 5 | | |
| P3 | | 7.5 | | |

⑧ Packaging

| Code | Packaging |
|------|------------------|
| A | Ammo Pack Taping |
| B | Bulk |

⑨ Individual Specification Code

For part number that cannot be identified without "Individual Specification," it is added at the end of part number, expressed by three-digit alphanumerics.

Looking for pricing, stock, or lifecycle information?

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